EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	417	clapper.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/11/15 15:35
S2	1	clapper.in. and ("37"/$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/07/25 19:15
S3	133	(37/406).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/07/25 19:39
S4	3	("3273729" | "3807589" | "4327509").PN.	USPAT	OR	ON	2004/07/25 19:51
S5	22	"4375345".URPN.	USPAT	OR	ON	2004/07/25 19:52
S6	4	("3275172" | "4407626" | "4519739" | "4548543").PN.	USPAT	OR	ON	2004/07/25 19:54
S7	2	"4770597".URPN.	USPAT	OR	ON	2004/07/25 19:55
S8	3	("4515522" | "4517755" | "4519739").PN.	USPAT	OR	ON	2004/07/25 19:55
S9	3	"4803788".URPN.	USPAT	OR	ON	2004/07/25 19:56
S10	8	("3061123" | "4283866" | "4285628" | "4375345" | "4466494" | "4519739" | "4804309" | "4932832").PN.	USPAT	OR	ON	2004/07/25 19:56
S11	9	"5111602".URPN.	USPAT	OR	ON	2004/07/25 19:57
S12	5	("4375345" | "4660654" | "5111602" | "5553408" | "5678332").PN.	USPAT	OR	ON	2004/07/25 19:59
S13	1	"6209237".URPN.	USPAT	OR	ON	2004/07/25 20:00
S14	623	("37"/$.ccls. or "414"/$.ccls.) and (spring near3 detent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 11:19
S15	634	("37"/$.ccls. or "414"/$.ccls.) and (spring near3 (detent or protuberance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 11:22
S16	89	("37"/$.ccls. or "414"/$.ccls.) and ((spring near3 (detent or protuberance)) with (hole or recess))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/01/12 11:22
S17	5	("3325926").URPN.	USPAT	OR	ON	2005/01/12 11:27

S18	13	("3327994" | "3463521" | "3588154" | "3884508" | "3952433" | "4123091" | "4245920" | "4326348" | "4613172" | "4773474").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/12 11:31
S19	8	("4848013").URPN.	USPAT	OR	ON	2005/01/12 11:32
S20	31	("2963183" | "3204793" | "3220487" | "3231117" | "3269570" | "3672521" | "3732996" | "3760883" | "3794195" | "3818551" | "3845871" | "3964622" | "3984016" | "3985249" | "4030624" | "4106645" | "4119225" | "4136792" | "4243356" | "4545720" | "4586867" | "4812103" | "5078569" | "5098252" | "5263810" | "5419673").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/12 11:35
S21	3	("5685689").URPN.	USPAT	OR	ON	2005/01/12 11:37
S22	159	(37/406).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/01/12 15:53
S23	5	("3991890" | "4155473" | "4403906" | "5111602" | "5129780").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 13:04
S24	2	("5314292").URPN.	USPAT	OR	ON	2005/06/27 13:04
S25	9	("4375345" | "4407626" | "4466494" | "4803788" | "4804309" | "4845867" | "4910891" | "4932832" | "5553408").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 13:14
S26	17	("5678332").URPN.	USPAT	OR	ON	2005/06/27 13:15
S27	3	("4375345" | "4403906" | "5678332").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 13:21
S28	8	("5927933").URPN.	USPAT	OR	ON	2005/06/27 13:21
S29	6	("4407626" | "4558515" | "5544435" | "5553408" | "5678332" | "5927933").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 13:22
S30	3	("6203267").URPN.	USPAT	OR	ON	2005/06/27 13:23
S31	10	("4407626" | "4519739" | "4635386" | "4932832" | "5094581" | "5111602" | "5553408" | "5678332" | "6203267" | "6260294").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 13:24
S32	1	("6640471").URPN.	USPAT	OR	ON	2005/06/27 13:25
S33	19	("2979215" | "3250028" | "3595411" | "4077529" | "4278368" | "4327509" | "5269382" | "5315772" | "5417064" | "5472308" | "5522221" | "5553408" | "5678332" | "5733059" | "5797461" | "5868211" | "5927933").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 13:25
S34	0	("6655053").URPN.	USPAT	OR	ON	2005/06/27 13:26

S35	1	("1754463").URPN.	USPAT	OR	ON	2005/06/27 14:30
S36	6	("2042196" | "2912774" | "4087010" | "4375345").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/27 14:30
S37	9	("4466494").URPN.	USPAT	OR	ON	2005/06/27 14:31
S38	13	"37"/$.ccls. and (bucket same stick same hydraulic same fasten$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 14:24
S39	1	"37"/$.ccls. and (bucket same stick same pneumatic same fasten$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 14:24
S40	8	"37"/$.ccls. and "spring detent"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 14:25
S41	41	"37"/$.ccls. and (thumb same spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 14:31
S42	934	"37"/$.ccls. and (arm with spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 14:31
S43	265	"37"/$.ccls. and (arm with spring) and (bucket or backhoe or back-hoe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 14:31
S44	265	"37"/$.ccls. and (arm with spring) and (bucket or backhoe or back?hoe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/28 16:22
S45	2	("4798044").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/06/28 16:22
S46	745	(37/468,406,408,903).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/25 11:47
S47	0	(("4268214"(USPAT")) or ("4355945"(USPAT")) or ("4411584"(USPAT")) or ("4793765"(USPAT")) or ("4890974"(USPAT")) or ("4955779"(USPAT")) or ("4958981"(USPAT")) or ("5176491"(USPAT")) or ("5727342"(USPAT")) or ("5966850"(USPAT")) or ("6120237"(USPAT")) or ("6354790"(USPAT")) or ("6843005"(USPAT")) or ("6857843"(USPAT")) or ("5471908"(USPAT")) or ("4274797"(USPAT")) or ("4278394"(USPAT")) or ("4318663"(USPAT")) or ("4373852"(USPAT")) or ("4403905"(USPAT")) or ("4431363"(USPAT")) or ("4845867"(USPAT")) or ("4871292	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/26 16:00

(USPAT)") or ("4950127(USPAT)") or
("5423625(USPAT)") or ("5556217
(USPAT)") or ("5810101(USPAT)") or
("5813822(USPAT)") or ("5865492
(USPAT)") or ("5971455(USPAT)") or
("5975604(USPAT)") or ("3624785
(USPAT)") or ("3872985(USPAT)") or
("3871538(USPAT)") or ("4032015
(USPAT)") or ("4049139(USPAT)") or
("4341501(USPAT)") or ("4365428
(USPAT)") or ("4370090(USPAT)") or
("4558515(USPAT)") or ("4770597
(USPAT)") or ("4771540(USPAT)") or
("5179794(USPAT)") or ("5245770
(USPAT)") or ("5316709(USPAT)") or
("5634735(USPAT)") or ("6139212
(USPAT)") or ("6196265(USPAT)") or
("6220291(USPAT)") or ("6220291
(USPAT)") or ("6230740(USPAT)") or
("6241455(USPAT)") or ("6314667
(USPAT)") or ("6321787(USPAT)") or
("6401369(USPAT)") or ("6460569
(USPAT)") or ("6619319(USPAT)") or
("4808061(USPAT)") or ("5815960
(USPAT)") or ("3787163(USPAT)") or
("4293270(USPAT)") or ("4517756
(USPAT)") or ("4595240(USPAT)") or
("4773814(USPAT)") or ("4808027
(USPAT)") or ("4810162(USPAT)") or
("4859138(USPAT)") or ("5228231
(USPAT)") or ("5400531(USPAT)") or
("5435084(USPAT)") or ("5452529
(USPAT)") or ("5537808(USPAT)") or
("5606809(USPAT)") or ("5678332
(USPAT)") or ("RE37339(USPAT)") or
("6561717(USPAT)") or ("6662479
(USPAT)") or ("4345514(USPAT)") or
("3627156(USPAT)") or ("3586184
(USPAT)") or ("3580405(USPAT)") or
("3680722(USPAT)") or ("3669287
(USPAT)") or ("3666124(USPAT)") or
("3656595(USPAT)") or ("3633773
(USPAT)") or ("3920137(USPAT)") or
("3910044(USPAT)") or ("3896950
(USPAT)") or ("3874533(USPAT)") or
("3828950(USPAT)") or ("3807589
(USPAT)") or ("3807586(USPAT)") or
("4000616(USPAT)") or ("4015730
(USPAT)") or ("4026428(USPAT)") or
("4042131(USPAT)") or ("4133121
(USPAT)") or ("4131210(USPAT)") or
("4251933(USPAT)")).PN.

S48	218	(("4268214") or ("4355945") or ("4411584") or ("4793765") or ("4890974") or ("4955779") or ("4958981") or ("5176491") or ("5727342") or ("5966850") or ("6120237") or ("6354790") or ("6843005") or ("6857843") or ("5471908") or ("4274797") or ("4278394") or ("4318663") or ("4373852") or ("4403905") or ("4431363") or ("4845867") or ("4871292") or ("4950127") or ("5423625") or ("5556217") or ("5810101") or ("5813822") or ("5865492") or ("5971455") or ("5975604") or ("3624785") or ("3872985") or ("3871538") or ("4032015") or ("4049139") or ("4341501") or ("4365428") or ("4370090") or ("4558515") or ("4770597") or ("4771540") or ("5179794") or ("5245770") or ("5316709") or ("5634735") or ("6139212") or ("6196265") or ("6220291") or ("6220291") or ("6230740") or ("6241455") or ("6314667") or ("6321787") or ("6401369") or ("6460569") or ("6619319") or ("4808061") or ("5815960") or ("3787163") or ("4293270") or ("4517756") or ("4595240") or ("4773814") or ("4808027") or ("4810162") or ("4859138") or ("5228231") or ("5400531") or ("5435084") or ("5452529") or ("5537808") or ("5606809") or ("5678332") or ("RE37339") or ("6561717") or ("6662479") or ("4345514") or ("3627156") or ("3586184") or ("3580405") or ("3680722") or ("3669287") or ("3666124") or ("3656595") or ("3633773") or ("3920137") or ("3910044") or ("3896950") or ("3874533") or ("3828950") or ("3807589") or ("3807586") or ("4000616") or ("4015730") or ("4026428") or ("4042131") or ("4133121") or ("4131210") or ("4251933")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/26 16:47
S49	2	("5463852").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/26 16:47
S50	15	("4890974" | "5242258" | "5333400" | "5431528" | "5456030" | "5465513" | "5484250" | "5546683" | "5692852" | "5727342" | "5732488" | "5802753" | "6042295" | "6058633" | "6108951"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/26 17:15

S51	12	("3705656" | "4586867" | "4772150" | "5049027" | "5224553" | "5310275" | "5419673" | "5511329" | "5529419" | "5546683" | "5562397" | "5590483"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/26 17:55
S52	9	("5802753").URPN.	USPAT	OR	ON	2005/07/26 17:57
S53	15	("4890974" | "5242258" | "5333400" | "5431528" | "5456030" | "5465513" | "5484250" | "5546683" | "5692652" | "5727342" | "5732488" | "5802753" | "6042295" | "6058633" | "6108951"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/26 17:59
S54	5	("6241455").URPN.	USPAT	OR	ON	2005/07/26 17:59
S55	21	("4030624" | "4096957" | "4136792" | "4187050" | "4214840" | "4251182" | "4295287" | "4297074" | "4355945" | "4373852" | "4480955" | "4632595" | "4643631" | "4661036" | "4710091" | "4726731" | "4836741" | "4984957" | "5010962" | "5049027" | "5324162"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/26 20:40
S56	17	("5546683").URPN.	USPAT	OR	ON	2005/07/26 20:46
S57	1308	(414/722,723,729).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/27 13:46
S58	80	(56/406,408,468,903).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/09 18:43
S59	1326	(414/722,723,729).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/09 18:43
S60	777	(37/406,408,468,903).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/08 21:11
S61	1353	(414/722,723,729).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/08 21:11
S62	419	S61 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/08 21:11
S63	791	(37/406,408,468,903).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:35

S64	65566	blade with (alarm or signal$3 or indicat $4 or beep$3 or alert$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:03
S65	3923	blade with (alarm or signal$3 or indicat $4 or beep$3 or alert$3) with (spin$4 or turn$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:04
S66	297	S65 and ("30"/$.ccls. or "56"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:04
S67	49	blade with (alarm or signal$3 or indicat $4 or beep$3 or alert$3) with (spin$4 or turn$3) with (disengag$3 or disconnect$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:08
S68	135	blade with (alarm or signal$3 or indicat $4 or beep$3 or alert$3) with (rotat $4) with (disengag$3 or disconnect$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:27
S69	2817	"135" and ("30"/$.ccls. or "56"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:09
S70	16	S68 and ("30"/$.ccls. or "56"/$.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:10
S71	6	("4152881").URPN.	USPAT	OR	ON	2006/11/15 16:24
S72	2	("4297829").URPN.	USPAT	OR	ON	2006/11/15 16:26
S73	6	blade with warn$3 with (rotat$4) with (disengag$3 or disconnect$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/15 16:27
S74	6	("4316355").URPN.	USPAT	OR	ON	2006/11/15 16:28
S75	2	("6843005").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/17 17:40
S76	5	("5152351" | "5292079" | "5386652" | "6209237" | "6357993").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/17 17:41

S77	10	shaw.in. and "37"/$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/17 18:32
S78	144	(37/458).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/17 19:35
S79	3930	"ball detent" with spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/17 19:35
S80	27	"37"/$.ccls. and (ball with detent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/17 19:54
S81	304	"37"/$.ccls. and (ball same spring)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/17 20:52
S82	0	("6374521,6467203").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/17 20:52
S83	4	(("6374521") or ("6467203")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/17 20:52
S84	2	("6338013").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2006/11/20 14:03
S85	945	(37/406,408,468,903,458).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/31 20:21
S86	1388	(414/722,723,729).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/03/31 20:21
S87	433	S86 and (latch or release or trip$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/31 20:22

S88	293	(37/468).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2007/10/29 13:25
S89	26	S88 and bevel$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/10/29 13:25
S90	4	("4663866" | "4944628" | "5010962" | "5400531").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 13:39
S91	13	("5467542").URPN.	USPAT	OR	ON	2007/10/29 13:40
S92	1	("6163988").URPN.	USPAT	OR	ON	2007/10/29 13:43
S93	15	("0832267" | "2346757" | "2463169" | "3736987" | "3941262" | "4369590" | "4542929" | "5054990" | "5140760" | "5197212" | "5411102" | "5467542").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 13:43
S94	3	("2963183" | "5224816").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 13:49
S95	8	("3985249" | "3991890" | "4067467" | "4085856" | "4106645" | "4136792" | "4846624" | "4986722").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/29 13:52
S96	12	("5224816").URPN.	USPAT	OR	ON	2007/10/29 13:53
S97	501	(403/109.3).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/02 15:42
S98	913	(403/325).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/02 15:51
S99	1456	(403/325,327).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/02 15:51
S100	23	S99 and (excavator or loader or bucket)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2009/07/02 15:52
S101	2	("6502336").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/07/02 16:11

S102	2	("6502336").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/01/07 11:42

1/8/2010 2:26:26 PM
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